

ZM 6126 Home Air Conditioning Trainer

Note :

Due to Keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!



I Introduction

The trainer has been designed specifically for educational aims so that students can delve into the hydraulic mechanical and thermodynamic aspects characterizing split-type air – conditioning system . supply software which can monitor voltage , current , frequency ,power ,power factor, pressure, flow, etc, they can be displayed on PC in real time, and can print report

II Training Program

Plant starting and safety devices intervention checking
Studying the operation of a- split-type air conditioner
Operation in cooling and dehumidification mode
Modulating control
Examining the system behavior versus the variation of :
- Operating mode
- Flow rate at the evaporator
- Set - point temperature
Plotting the refrigeration cycle on refrigerant pressure – enthalpy diagram
Data acquisition and calculating of :
Heat balances corresponding to evaporator , condenser , compressor
Refrigerant mass flow
Volumetric compressor efficiency
Heat balances on air side
Manual set fault and remove fault

Supplied with:

English General Air- Conditioning Manual
English Experimental Handbook